

CLAIMS

What is claimed is:

1. An adjustable motorcycle headlight assembly comprising:
a headlight housing having a lens on a forward side thereof, and an integral boss incorporating a socket;
a mating ball provided at one end of a ball shaft, the other end of said ball shaft adapted to be rigidly affixed to a motorcycle frame, wherein said ball and said socket are matingly engaged to provide a ball and socket joint structure enabling rotational and translational movement of said ball and said socket relative to one another; and
a positioning arm having one end attached to said headlight housing via a retaining boss integrally provided on said housing, and an opposite end adapted to be rotatably attached to the motorcycle frame, said positioning arm being adjustable lengthwise and movable both rotationally and translationally relative to said retaining boss.
2. The adjustable motorcycle headlight of claim 1, wherein said positioning arm further comprises:
at least two straight segments joined together by an adjuster therebetween.
3. The adjustable motorcycle headlight of claim 1, wherein said positioning arm further comprises a male-female coupling enabling rotational and pivotal movement relative to one another to provide length and position adjustment thereof.
4. The adjustable motorcycle headlight of claim 1, wherein said positioning arm further comprises a central double segment including a male-female coupling joined to a straight segment at both ends via aligned connection eyes attached by adjusters.
5. A motorcycle headlight comprising:
a headlight housing; and
a three point mounting assembly integrated to a rear side of said headlight housing, including a ball provided at a free end of said mounting shaft, said ball matingly received in a mating socket formed in a portion of said headlight, wherein said adjustment mechanism

enables movable adjustment of said headlight relative to said mounting shaft; and a pair of extendable and rotatable positioning arms each attached to said headlight at one end and adapted to be rotatably attached to the frame at another end.

6. An adjustable motorcycle headlight assembly comprising:

a headlight housing;

a ball and socket structure movably connected to said headlight housing and adapted to be rigidly attached to a frame for providing adjustability of said headlight housing; and

a pair of positioning arms connected to said headlight housing and adapted to be attached to the frame, each said positioning arm including an adjustment mechanism enabling length and rotational adjustment thereof.

7. The adjustable motorcycle headlight assembly of claim 6, wherein each said adjustment mechanism comprises a first segment attached to said headlight housing at one end and attached at the other end to a second segment via a threaded adjuster, said second segment attached to a third segment via another threaded adjuster, said third segment adapted to be attached to the frame.

8. The adjustable motorcycle headlight assembly of claim 7, wherein said adjusters are received in aligned, internally threaded connection eyes of said first, second and third segments, and wherein loosening said adjusters enables relative movement of said segments, and tightening of said adjusters affixes said segments into place.

9. The adjustable motorcycle headlight assembly of claim 7, wherein each said second segment comprises a male-female coupling having a slotted joint arrangement to enable rotatable and pivotable movement relative to one another.

10. The adjustable motorcycle headlight assembly of claim 8, wherein each said second segment comprises a male-female coupling having a slotted joint arrangement to enable rotatable and pivotable movement relative to one another.

11. An adjustable motorcycle headlight assembly comprising:
a headlight housing including a lens;
a mounting assembly for mounting said headlight housing to a motorcycle frame; and
adjustment means for adjusting said headlight housing with respect to a motorcycle frame after assembly thereto.
12. The adjustable motorcycle headlight assembly of claim 11, wherein said means for adjusting includes means for pivotable movement of said mounting assembly.
13. The adjustable motorcycle headlight assembly of claim 11, wherein said means for adjusting includes means for lengthening and shortening said mounting assembly.
14. The adjustable motorcycle headlight assembly of claim 12, wherein said means for adjusting includes means for lengthening and shortening said mounting assembly.